

**Hudson High School  
Course Selection Guide  
2018-2019**

**CSG**

**Plan Your Future!**

**Including: Graduation Requirements,  
Policies and Procedures, General  
Academic Information**

(Effective August 2018)

# Hudson Independent School District

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HISD does not discriminate on the basis of sex, disability, race, color, age, or national origin in its educational programs, activities, or employment as required by the Title IX, Section 504 and Title VI.

\*Amendments to current board policy, administrative policy, and state law may affect the contents of this document.

Please note that this document is a work in progress and updates and changes may be found online on the Hudson ISD website.

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## Introduction

The purpose of the CSG is to provide a list and description of courses currently offered in the curriculum of Hudson High School. Students, parents, counselors, and other school staff may utilize the CSG to plan students' individual educational program for their high school years. Some elective courses may not be offered every year.

For each course, the guide provides the title, grade placement, credit value, prerequisites, and a brief description of the content. Courses are considered regular or standard curriculum unless otherwise stated. Additional sections of the guide contain a summary of Hudson High School graduation requirements, grade classification requirements, and other information, which may be useful to a student or parent.

Other than courses taken at Hudson High School, students, who meet the required conditions, may also earn credit in the following ways:

- Advanced Placement Exams
- Dual credit courses through Angelina College or an approved TxVSN provider
- Credit by Exam through Texas Tech University of Region 7 ESC
- College Level Examination Program (CLEP)
- Courses taken during middle school
- Online courses through Texas Tech University
- Available classes may be found at: [www.depts.ttu.edu/ode/ec2k/heading.asp](http://www.depts.ttu.edu/ode/ec2k/heading.asp)

Students and parents are responsible for knowing requirements for graduation. Any questions should be addressed to the counselors or administration.

## Classification of Students

Grade-level advancement for students in grades 9-12 shall be earned by course credits (see table below). Changes in grade-level classification shall be made at the beginning of the fall semester. Students will remain in that grade level and participate in the activities of that grade level for the remainder of the school year. Senior status will be individually determined based upon expected graduation date. Students falling behind in credits may be required to attend summer school and/or enroll in HHS Credit Recovery Program to earn additional credits.

Classification	Grade	Credits
Freshman	9	0-5.5
Sophomore	10	6-11.5
Junior	11	12-17.5
Senior	12	18+

## Graduation Programs and Requirements

A student entering grade 9 in the 2013-2014 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the Foundation High School Program (FHSP) with Endorsement or the FHSP with Endorsement Distinguished Level of Achievement in accordance with HB5. Upon completion of the 10<sup>th</sup> grade, students and parents may request a change in graduation plan to the FHSP. This decision will be made along with a school counselor or administrator. Please see a counselor for the appropriate forms and program requirements. All students must meet state requirements on the five state assessments.

The FHSP with Endorsement Distinguished Level of Achievement is for those students who have chosen to include Algebra II as a part of their graduation plan. Students graduating under the FHSP with Endorsement Distinguished Level of Achievement may qualify for automatic admission to Texas colleges if they are ranked in the top 10% of their graduating class.

## Benefits of the Distinguished Level of Achievement

(Applicable to all students graduating under the FHSP + Endorsement with 26 credits, including Algebra II)

The information below is provided by the Texas Education Agency and is intended to be an overview of the general benefits of the FHSP plus Endorsements to include Algebra II. Hudson ISD strongly encourages all students to research college admission requirements for the college or university they wish to attend. Many competitive college or university admission requirements may be more stringent than the requirements of Distinguished Level of Achievement (i.e. mathematics beyond Algebra II).

### Choices determine options

Most of the very best jobs available now and in the future require education and training beyond a high school diploma. Whether you intent to pursue a high-demand, industry workforce credential from a community or technical college or a traditional four-year degree from a university, the choices made in high school will determine your future options. To best prepare yourself now for the transition to post-high school education or quality workforce training, choosing and taking the right classes is essential. The Distinguished Level of Achievement will ensure the best preparation for your future.

### Why it matters – Benefits

The Distinguished Level of Achievement opens a world of educational and employment opportunities for you beyond high school. The Distinguished Level of Achievement will:

- Allow you to compete for Top 10% automatic admissions eligibility at any Texas public university;

- Position you among those first in line for a TEXAS Grant (must be financially qualified) to help pay for university tuition and fees; and
- Ensure you are a more competitive applicant at the most selective colleges and universities

**What it means**

The Distinguished Level of Achievement requires more mathematics and more science than the Foundation High School Program. The Distinguished Level of Achievement requires:

- A total of four credits in math, including Algebra II;
- A total of four credits in science; and
- Successful completion of an endorsement in your area of interest

**Advantages**

- Opportunity to earn an endorsement in an area of interest
- More college and university options
- More financial aid options
- Better preparation for college-level coursework at community/technical colleges and universities
- Opportunity for immediate enrollment in classes related to your chosen field of study
- Strong foundation to successfully complete an industry workforce credential or college degree

The following page is a Summary of Graduation Requirements of students entering 9<sup>th</sup> grade in the year of 2013-2014 and thereafter:

## 2017-2018 FOUNDATION HIGH SCHOOL PROGRAM (FHSP) Graduation Requirements – Texas Administrative Code §74.11-§74.13

SEE POLICY EIF (LEGAL)

Students who wish to graduate on the Foundation High School Program without an Endorsement must obtain approval in accordance with Texas Administrative Code §74.11 (d). Alternate options that are available for students with disabilities or students serviced under 504 will be determined by the Admission, Review, and Dismissal/504 committee.

In order to receive a diploma under the FHSP, students will be required to earn the appropriate credits\*, score satisfactory level or above on the STAAR EOCs\*\*, and demonstrate proficiency in communications\*\*\*. In addition to the FHSP, students will have the opportunity to earn endorsements and Performance Acknowledgements. Hudson ISD strongly encourages all students to research college admission requirements for the college or university they wish to attend. Many competitive college or university admission requirements may be more stringent than the requirements of the Distinguished Level of Achievement (i.e. mathematics beyond Algebra II).

DISCIPLINE	CREDITS	FOUNDATION HIGH SCHOOL PROGRAM + ENDORSEMENTS	FOUNDATION HIGH SCHOOL PROGRAM + ENDORSEMENTS Distinguished Level of Achievement (Includes Algebra II)
English/ Language Arts	4.0	English I, II, III, and one credit in any authorized English course; (**Students will demonstrate proficiency in communications through curriculum in English III)	English I, II, III, and one credit in any authorized English course; (**Students will demonstrate proficiency in communications through curriculum in English III)
Mathematics	4.0	Algebra I, Geometry, and two credits in any authorized math course	Algebra I, Geometry, Algebra II, and one credit in any authorized math course
Science	4.0	Biology, IPC/Chemistry/Physics, and two credits in any authorized science course	Biology, IPC/Chemistry/Physics, and two credits in any authorized science course
Social Studies	3.0	World Geography or World History, US History, Government (.5 credit) and Economics (.5 credit)	World Geography or World History, US History, Government (.5 credit) and Economics (.5 credit)
Foreign Languages	2.0	Must consist of any two levels in the same language	Must consist of any two levels in the same language
Physical Education	1.0	Foundations of Personal Fitness, Team Sports, Athletics, Marching Band, Color Guard, Show Choir, Dance Team or Cheerleading	Foundations of Personal Fitness, Team Sports, Athletics, Marching Band, Color Guard, Show Choir, Dance Team or Cheerleading
Fine Arts	1.0	Art, Theatre Arts, Piano, or Band	Art, Theatre Arts, Piano, or Band
Elective Courses	7.0		
*Total Credits	26.0		
**STAAR		English I, English II, Algebra I, Biology, US History	English I, English II, Algebra I, Biology, US History

### ENDORSEMENT PATHWAYS (TEXAS ADMINISTRATIVE CODE §74.13)

STEM	Business & Industry		Public Services	Arts & Humanities	Multi-Disciplinary Studies	
<ul style="list-style-type: none"> <li>• Advanced Science</li> <li>• Technology</li> <li>• Engineering</li> <li>• Advanced Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Architecture</li> <li>• Audio/Video Technology</li> <li>• Management</li> <li>• Finance</li> <li>• Graphic Design</li> </ul>	<ul style="list-style-type: none"> <li>• Information Technology</li> <li>• Marketing</li> <li>• Transportation</li> <li>• Debate</li> <li>• Newspaper</li> <li>• Yearbook</li> </ul>	<ul style="list-style-type: none"> <li>• Automotive</li> <li>• Computer Programming</li> <li>• Fashion Design</li> <li>• Interior Design</li> </ul>	<ul style="list-style-type: none"> <li>• Education/Training</li> <li>• Health Science</li> <li>• Human Services</li> <li>• Law Enforcement</li> <li>• Counseling</li> <li>• Cosmetology</li> <li>• Culinary Arts</li> </ul>	<ul style="list-style-type: none"> <li>• Social Studies</li> <li>• Foreign Languages</li> <li>• Fine Arts</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced courses that prepare students for the workforce or post-secondary education</li> </ul>

A specific speech course is not required; however, in order to receive a high school diploma, a student must demonstrate proficiency, as determined by the district in which the student is enrolled. At Hudson High School, this requirement will be satisfied in English 3.

## Mandatory State Assessment

Students who entered 9<sup>th</sup> grade in 2011-2012, and subsequent years thereafter, will take the State of Texas Assessments of Academic Readiness (STAAR). The STAAR End of Course (EOC) assessment will be administered in English I, English II, Algebra I, Biology, and US History, at the end of each course. In order to graduate, a student must meet a scale score that indicates satisfactory performance on each STAAR EOC assessment. These assessments are administered three times each school year (spring, summer, and fall).

STAAR EOC Performance Standards for each assessment may be accessed using the following link:

<http://tea.texas.gov/student.assessment/staar/performance-standards/>

## Course Grading Scale

Numerical grades are entered on the report card and academic achievement record (transcript). A student may determine his/her letter grade by comparing his/her numerical grade to the following scale:

A+	97-100
A	93-96
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
F	69 and below

## Transcripts

Transcripts are the Academic Achievement Records used by colleges and universities to determine eligibility of students to enroll in their school or to receive scholarships. A request for a transcript should be made at least two days in advance of when it is needed. Current students will be allowed three transcripts without a fee. A \$2 fee will be charged for additional transcripts. See sample on the next page.

Transcript Codes:

A= Tech Prep Course

E=Credit by Examination

J=HS credit received prior to 9<sup>th</sup> grade

P=Advanced Placement Course

R=Summer School Course

W=PE Waiver

D=Dual Credit Course

H=Honors Course

L=Local Credit

Q=Pre-Advanced Placement Course

X=Innovative Course



STATE OF TEXAS ACADEMIC ACHIEVEMENT RECORD (ACCREDITED)

Full Legal Name (LFM) \_\_\_\_\_ SSM/State ID \_\_\_\_\_  
 District Name HUDSON I. S. D.  
 Name of School HUDSON HIGH SCHOOL  
 School Address 6735 TED TROUT DRIVE  
 LUBBOCK TX 79404  
 Phone # 9368759332 Office 3, 975  
 Rank \_\_\_\_\_ in Class \_\_\_\_\_  
 Date Graduated \_\_\_\_\_ Certs/Compl. \_\_\_\_\_

Official Signature \_\_\_\_\_

Graduation Program Type FOUNDATION HIGH SCHOOL PROGRAM

Adv Measures \_\_\_\_\_ End Of Course  
 Distinguish Lvl of Achievement (Completed) \_\_\_\_\_  
 FHP Speech Reg Met Date: \_\_\_\_\_  
 Peace Officer Interact Met Date: \_\_\_\_\_  
 CPR Instruction Met Date: \_\_\_\_\_  
 US HIST: \_\_\_\_\_

Course Category	Year 2014-2015			Year 2015-2016			Year 2016-2017			Year 2017-2018		
	Q	Sem	Avg	Q	Sem	Avg	Q	Sem	Avg	Q	Sem	Avg
Language Arts	88	87	87.5	78	78	78	87	82	84.5	97	83	90
Speech												
Mathematics	94	91	92.5	79	76	77.5	85	91	88	91	90	91
Science	79	81	80	87	74	80.5	80	79	79.5	85	85	85
Social Studies	83	76	79.5	80	76	78	87	89	88	89	89	89
Econ/Free Ent.												
Health												
PE/Equivalent	90	100	95									
SubBATH1	100	100	100									
SubBATH2	100	100	100									
SPAN 1	91	82	86.5	76	92	84						
Fine Arts												
Technical Apps												
Career/TechEd												
Other/lectives												
Local Credit	100	100	100									
SubBATH3	100	100	100									
SubBATH4	100	100	100									
Passing is 70 or above												
Total Credits for Year	7.50	7.50	7.50	7.00	7.00	7.00	7.50	7.50	7.50	6.00	6.00	6.00

Total Credits for Year 7.50 Total Credits for Year 7.00 Total Credits for Year 7.50 Total Credits for Year 6.00 Total Credits for Year

Note: X-Crd by Exam, G-Gifted/Talented, J-Honors, I-IBC, J-before 2nd, K-Pre-IBC, L-Local crdt, M-Magnet, P-AP, Q-Pre-AP, R-Summer, T-Crd Verif, X-Innovative, Y-Distance Learning Course including but not limited to tv, electronic, or satellite broadcast.

## Curriculum

The basis of the ranking system is a multi-level academic curriculum. Courses shall be designed as Advanced Placement (AP), Advanced (Adv), Dual Credit, Regular, or Basic.

### Advanced Placement Curriculum

An Advanced Placement (AP) course is a Texas Education Agency approved course designed for students with exceptional abilities and high motivation who wish to receive both high school and college credit for a course. These courses are very rigorous and require students to assume responsibility for in-depth and/or independent study because they are taught at or beyond the college level. At the end of the course, students must pass an AP exam, at student's expense, to receive college credit\*. Hudson HS has adopted an open enrollment policy for AP courses. Students who complete the course and take the AP exam will earn an additional ten points in the calculation of grade point average for the course. Students must have parent permission and sign a commitment statement to enroll.

\*Any reference to college credit being earned is dependent upon the particular college students choose to attend and their discretion to award credit.

### Advanced Curriculum

Advanced Placement courses are challenging and enlightening academic courses that teach above the standard curriculum and require students to assume responsibility for in-depth and/or independent study. The advanced curriculum and Pre-Advanced Placement courses require the student to be exceptionally capable and highly motivated. Students must meet specific criteria to qualify for these courses. Advanced courses require an 80 or above overall average in a previously taken advanced course, a 90 or above overall average in a regular course in the same subject area, or approval through an administrative decision. Example: A student in a regular history course must have a 90 or better overall average in that course to be placed in an advanced history course. A student in an advanced history course must have an 80 or above overall average to be placed in an advanced history course. Students must have parent permission and sign a commitment statement to enroll. Students who complete an advanced course will receive an additional ten points in the calculation of grade point average for that course.

Note: Due to the difficulty level and additional course requirements, it is strongly recommended that students give serious consideration to the number of advanced courses taken.

### Regular Curriculum

The regular curriculum provides an opportunity for each student to achieve mastery of essential skills as outlined by the Texas Education Agency (TEA). These courses include academic, life enrichment, and vocational and technical skills. Courses are regular curriculum unless otherwise stated. All summer school courses will be classified as regular curriculum unless it is a dual credit course.

### Dual/Concurrent Curriculum

Dual/Concurrent courses are offered through Angelina College or through an approved Texas Virtual School Network provider and are taken during the student's Junior and/or Senior years. These courses are taught at the Angelina College campus or through an online format at the high school. Students must fill out an application and meet the requirements set by the respective program and HISD to participate in these courses. Students who complete a dual credit course will receive an additional ten points in the calculation of grade point average for that course. The following is a list of commonly taken classes. Please see your child's counselor for specific eligibility requirements and a comprehensive list of courses.

Intro to Sociology	General Anatomy & Physiology	British Literature
General Psychology	Anatomy & Physiology I	American Literature
Art Appreciation	Anatomy & Physiology II	Composition 1
Music Appreciation	Biology for Science Majors	Composition 2 and Literature

Intro to Theatre	Biology for Non-Science Majors	College Algebra
Public Speaking	Microbiology	Elementary Statistics
Interpersonal Communication	General Zoology	Math for Business Majors
US History to 1877	College Physics	Accounting I
US History from 1877		Accounting II
US Government		
Texas Government		

## Grade Point Average

Academic honors for graduation shall be determined by the cumulative grade point average (GPA) calculated two weeks prior to graduation using grades from the last completed grading cycle. All courses that are or may be used to satisfy state graduation requirements will be used in the computation of GPA. This will include credit by examination, CLEP exams, correspondence, dual credit or online courses pre-approved by the campus administration. Credit recovery courses and courses that receive only a pass/fail grade will not apply. As GPA calculation does include grades from dual credit courses, official GPA rankings cannot be completed prior to receipt of grades from participating institutions.

The semester grade is used to determine the number of grade points awarded for each course when calculating the student's grade point average. Grade points earned in courses taken in grades 9-12 are used to determine rank in the graduating class. The following WILL NOT be calculated in the GPA:

- Courses taken prior to grade nine
- Summer school courses
- Credit recovery
- Credits from non-accredited schools
- Alternative physical education credits

## Rank in Class

Class rank is used to determine Valedictorian, Salutatorian, admission to a university, and by scholarship committees to award scholarships. It is based upon the GPA. It is determined by dividing the total number of grade points earned by the total number of semester units attempted, resulting in a maximum grade point average of 5.0. Class rank will be figured when GPA is calculated.

Valedictorian and Salutatorian will be officially determined when final GPA is calculated. Students must be enrolled and attend Hudson High School for a minimum of 2 years, both 11<sup>th</sup> and 12<sup>th</sup> grades, to be eligible for Valedictorian or Salutatorian.

## The Six-Year Plan

The Six-Year Plan, when completed by a student, becomes a guide that students may use to ensure they meet all graduation requirements and prepare for education or work beyond high school. Therefore, students should carefully plan their six-year program to ensure that all the courses they take will:

- Fulfill all of the requirements for high school graduation
- Help achieve future career goals
- Provide the academics or skills needed to continue in further education or training to pursue chosen career

Students and their parents are encouraged to review the six-year plan annually and revise it when necessary to meet changing career goals. The counselors are available throughout the year for conferences to assist students with educational planning for their careers.

After carefully studying the requirements for graduation and thoughtfully considering their career goals, each student should, with the help of counselors and parents, be prepared to make wise decisions in planning a high school program that will prepare them for further education or training after graduation.

Students will complete their six-year plans at the beginning of high school and update them annually.

## Career Clusters

Courses related to the following Career Clusters are available at Hudson High School:

	Agriculture, Food & Natural Resources	The planning, production, processing, marketing, distribution, financing, and development of agricultural commodities, services, and natural resources including food, fiber, wood products, water, minerals, and petroleum
	Architecture & Construction	Careers in designing, planning, managing, building and maintaining the built environment
	Arts, A/V Technology & Communications	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services
	Business Management & Administration	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.
	Health Science	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development
	Human Services	Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services
	Information Technology	Building linkages in IT occupations framework: for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services
	Science, Technology, Engineering & Mathematics	Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services

## GO Center

The purpose of the GO Center is to help students prepare for post-secondary education. While many activities are geared towards Seniors; Freshmen, Sophomores, and Juniors are always welcome in the GO Center and are highly encouraged to begin planning early for their education after high school.

The GO Center is open daily. Scheduling an appointment is not required, so please stop by anything during school hours.

Things to do in the GO Center:

- Register for the SAT/ACT
- Prepare for the SAT/ACT
- Register for and prepare for the TSI
- Meet with military recruiters and explore military options
- Prepare for the Armed Services Vocational Aptitude Battery (ASVAB)
- Apply for colleges via Apply Texas ([www.applytexas.org](http://www.applytexas.org))
- Look at brochures, catalogs, pamphlets in choosing a career or college
- Investigate getting a license or certificate in 6-18 months and going into a job
- Explore advantages of attending a trade or technical school
- Use computers to research information about colleges/universities and other programs
- Work on essays and applications for college
- Search for and apply for scholarships
- Fill out Free Application for Federal Student Aid (FAFSA)

## Schedule Changes

A great deal of time is invested in both the registration and scheduling processes. The basis for building a master schedule, for any school year, are the requests made by our students during registration. Each individual course request made in the spring affects the final schedule for the next school year. Hudson High School uses these requests to determine staffing, room assignments, and the number of course sections each year. Therefore, when students make their course selections, it is understood that their schedule will reflect these choices.

**For the above reasons, schedules will NOT be changed unless the request meets one of the following criteria.**

**The student...**

- did not pass the appropriate prerequisite courses required for course entry
- passed summer school coursework that necessitates a change
- needs a specific course for graduation requirements
- has been placed in the wrong level course
- has been placed in a class that has already been taken and passed
- has a medical reason (written documentation must be provided)
- needs an elective (for Seniors and some Juniors) for graduation or endorsement completion

**If the student's request meets one of the above criteria, then a schedule change request form must be submitted during the schedule change window during the first week of school. Schedule change request forms are located in the counseling office.**

### **Schedule changes will NOT be granted for the following reasons:**

- Student does not like, or desires another teacher
- GPA is/or may be affected
- Class is not a specific graduation requirement
- Student wants to join friends in a particular class
- Non-completion of summer assignments (for Advanced/AP classes)
- Student prefers another elective

### **Process for requesting a schedule change:**

- If the student has an acceptable reason for requesting a schedule change, then they should pick up a schedule change request form from the counseling office.
- This may be done before school, during lunch or between classes. No student should request permission to leave class to pick up a form or to meet with a counselor to discuss a change.
- A streamlined process of accumulating student change request forms is in place to maximize efficiency. A student MUST submit a schedule change request form to the counseling office for approval. Parent/guardian phone calls and emails are considered only as information and will not fulfill the requirement for a schedule change request.

### **Process for students wishing to change out of Advanced or AP courses**

- The student must submit a schedule change request form as they normally would.
- The following criteria shall be met before removal is considered:
  1. Formal communication between the student and parent with the teacher has occurred (phone, conference, email, etc.)
  2. Formal communication must be made with the counseling staff through phone, conference, or email.
- If a student desires to be removed from the advanced academic course after the first two weeks, then they must stay in the class until the end of the sixth week of school. The request to be removed must be made through the counseling office prior to the end of the sixth week for consideration.
- The counseling staff and administration will evaluate the change request prior to the sixth week for formal approval.
- After the sixth week of school, the student must remain in the advanced academic course for the remainder of the school year.
- The campus principal has the discretion to change a student's schedule at the end of the first semester if they were unsuccessful (failed) in an advanced academic course for the first school semester.

### **Balancing of Classes**

To provide the best learning environment for our students it is often necessary to balance classroom sizes. As a result, any student may be moved to a classroom containing fewer students, which may include a possible teacher change and other changes in a student's schedule. Please keep in mind; we do our best to minimize the impact of the individual student's schedules. Once the leveling change has been made, the schedule change is final. The student may not request to be placed back into their original classes.

## Information about Courses

In the course description section, you will find a brief description of every course offered at Hudson High School, as well as the grade level requirements for specific courses and any possible prerequisites. Elective courses are offered as a result of student interest. If there is insufficient enrollment for a course, the course will not be offered and alternative selections will be made.

Students are urged to plan their course selections carefully. Although students will receive specific instructions and assistance from a high school counselor during the pre-registration process, the responsibility for selecting appropriate career and graduation choices rests with students and parents. Students will choose specific courses with parent approval.

## Course Descriptions

Hudson High School provides a sound curriculum of academic courses, academic electives, designated career pathways, and local electives to meet the needs of all students attending our high school.

This section of the planning guide contains descriptions of all courses offered in grades nine through twelve at Hudson High School. Descriptions are divided into content areas and include information about course content, grade placement, prerequisites, and credits. Unless otherwise indicated for the specific course description, credit is awarded or denied at the end of each semester. Students are required to achieve a grade of 70 or higher to receive credit in a course. Generally, courses have a value of one-half credit per semester; however, some courses in Career and Technical Education receive a greater number of credits.

### ENGLISH/LANGUAGE ARTS

Advanced English 1 (EOC Tested subject), 1 credit advanced (state)

Grade level: 9

ID: 03220100

Abbreviation: ENG 1PAP

Prerequisite: grade requirement, parent permission, summer reading/assignment

A challenging language arts experience for the motivated student. The course fuses in-depth literary study with vocabulary development and grammar instruction. Composition skills leading to clear, concise, well-developed writing are incorporated into the literature study. Analytical reading, thinking, and writing skills addressed in this class begin the student's preparation for AP English Language and Composition and beyond.

English 1 (EOC Tested subject), 1 credit (state)

Grade level: 9

ID: 03220100

Abbreviation: ENG 1

Prerequisite: none

A balanced course stressing (1) the composing process to plan and generate writing while evaluating and proofreading for correctness, (2) learning traditional grammar as an aid to writing sentences with a variety of structures while stressing word choice to convey intended meaning, (3) recognizing the differences in various literary genres and using basic literary terminology, and (4) developing reading and thinking skills necessary for comprehension.

Advanced English 2 (EOC Tested subject), 1 credit advanced (state)

Grade level: 10

ID: 03220200

Abbreviation: ENG 2PAP

Prerequisite: grade requirement, parent permission, summer reading/assignment

A challenging program stressing analytical reading and vocabulary skills as well as the continued improvement of writing techniques. Students will examine methods used in superior writing both as readers and as writers, further preparing them for the high-level analysis required and developed by junior and senior level AP classes.

English 2 (EOC Tested subject), 1 credit (state)

Grade level: 10

ID: 03220200

Abbreviation: ENG 2

Prerequisite: none

A balanced study of literature, grammar, reading, and composition skills, including a more advanced study of grammar and correct usage; a wider range of writing experiences stressing unity, clarity, and coherence; additional literary analysis, terms, and concepts; and continued development of reading concepts and skills including increased use of library resources.

Advanced Placement (AP) English 3, 1 credit advanced, (state)

Grade level: 11

ID: A3220100

Abbreviation: ENG 3AP

Prerequisite: English 2, grade requirement, parent permission, summer reading/assignment

Course will cover all topics required for the AP Language and Composition Exam for college credit. This is a challenging program requiring critical reading, persuasive writing, and knowledge of literary vocabulary. Much of the course deals with evaluating a writer's use of language and stylistic elements. Some fictional works are used, but the emphasis is on nonfiction. Students are required to take the AP Language and Composition Exam at the end of this course in order to receive advanced credit towards GPA calculation. (This course will also include TEKS, or the curriculum, for Communication Applications)

English 3, 1 credit (state)

Grade level: 11

ID: 03220300

Abbreviation: ENG 3

Prerequisite: English 2

A study of grammar, composition, and research paper writing combined with a study of American literature which involves surveying literary forms, figurative language, literary style, and literary time periods. (This course will also include TEKS, or the curriculum, for Communication Applications)

English 4, 1 credit (state)

Grade level: 12

ID: 03220400

Abbreviation: ENG 4

Prerequisite: English 3

The course consists of grammar and sentence structure, logical organization and development of compositions, and comprehension of themes and styles of British literature.

English 1301 & 1302, 1 credit advanced (state)

Grade level: 12

ID: 03220400

Abbreviation: ENG1301/1302

Prerequisite: English 3, acceptance in dual-credit program or ECHS program

A review of the fundamentals of composition: grammar, punctuation, diction, and sentence structure; development of paragraphs and the essay; extensive theme writing in exposition and argument, including a unit on logic. Critical analysis of literature and intensive research for a fully documented research paper. This course can be taken in the place of English 4 to meet graduation requirements.

Business English, 1 credit (state)

Grade level: 12

ID: 13011600

Abbreviation: BUSENG

Prerequisite: English 3

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and



mechanics of written English and produce final, error-free drafts for business reproduction. This course can be taken in place of English 4 to meet graduation requirements and also qualifies as a CTE credit.

College Prep English/On Ramps, 1 credit advanced (state)

Grade level: 12

ID: CP110100

Abbreviation: COLPRP

Prerequisite: English 3, administrative approval

Course is a review of the fundamentals of composition: grammar, punctuation, diction, and sentence structure; development of paragraphs and the essay; extensive theme writing in exposition and argument. Students will perform critical analysis of literature and intensive research to complete college level research papers. The course is intended for students seeking TSI readiness. A completion grade equal to, or greater than, "75" will fulfill TSI readiness standards for the state of Texas higher education institutions. This course can be taken in place of English 4 to meet graduation requirements.

College Readiness and Study Skills, ½ credit (state)

Grade level: 9

ID: 03270100

Abbreviation: CRSS

Prerequisite: none

In this course, students acquire techniques for learning from texts, including studying word meanings, identifying and relating key ideas, drawing and supporting inferences, and reviewing study strategies. In all cases, interpretations and understandings will be presented through varying forms, including through use of available technology. Students accomplish many of the objectives through wide reading as well as use of content texts in preparation for post-secondary schooling.

Reading 1, ½-1 credit (state)

Grade level: 9

ID: 03270700

Abbreviation: READ1

Prerequisite: none

Reading I offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

## MATHEMATICS

Algebra I (EOC Tested subject), 1 credit (state)

Grade level: 8-9

ID: 03100500

Abbreviation: ALG I

Prerequisite: grade 8 math

Develops the basic properties of the number system and makes it possible to simplify and generalize the solution of problems by the use of variables. Covers linear and quadratic functions, solving equations and inequalities, exponents and polynomials. The next recommended course is Geometry.

Geometry, 1 credit (state)

Grade level: 9-10

ID: 03100700

Abbreviation: GEOM

Prerequisite: Algebra I

Combines the study of two and three-dimensional figures in space emphasizing the properties of these figures: congruence, equality, similarity and inequalities. Introduces two-column proofs and stresses a systematic approach to logic. The next recommended course is Algebra II or Mathematical Models with Applications.

Advanced Geometry, 1 credit advanced (state)

Grade level: 9-10

ID: 03100700

Abbreviation: GEOMADV

Prerequisite: Algebra I, grade requirement, parent permission

This course accelerates the basic geometry course by a faster pace, emphasis on the advanced concepts and concentration on higher level thinking activities. The course will include some Algebra 2 concepts. Second semester will include trigonometry. The next recommended math course is Algebra II (Advanced or Regular).

Mathematical Models with Applications, 1 credit (state)

Grade level: 11

ID: 03102400

Abbreviation: MTHMOD

Prerequisite: Algebra I

Students use algebraic, graphical and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Mathematical models from algebra, geometry, probability and statistics, and technology are used to solve application problems in both mathematical and nonmathematical situations. The next recommended course is Algebra II.

Algebra II, 1 credit (state)

Grade level: 10-12

ID: 03100600

Abbreviation: ALG 2

Prerequisite: Algebra I, Geometry

Extends the development of the real number system into the complex number system. Includes a study of polynomials, quadratic equations, functions, exponents, logarithms, conic sections, sequences and series, probability, and trigonometry. The next recommended course is Statistics or Pre-Calculus.

Advanced Algebra II, 1 credit advanced (state)

Grade level: 10-12

ID: 03100600

Abbreviation: ALG2ADV

Prerequisite: Algebra I, Geometry, grade requirement, parent permission

Studies the concepts presented in Algebra 2 in more depth through the use of more challenging problems and exams that emphasize creative thinking. The course will touch on concepts presented in pre-calculus. The next recommended course is Pre-Calculus (Advanced or Regular), Advanced Quantitative Reasoning or College Algebra.

Pre-Calculus, 1 credit (state)

Grade level: 11-12

ID: 03101100

Abbreviation: PRECALC

Prerequisite: Algebra I, Geometry, Algebra II

The major emphasis will be the examination of polynomial, rational, trigonometric, exponential, and logarithmic functions. The course is taught from a functional approach integrating the topics of trigonometry, elementary analysis, analytic geometry, and number theory.

Advanced Pre-Calculus, 1 credit advanced (state)

Grade level: 11-12

ID: 03101100

Abbreviation: PRECALCADV

Prerequisite: Algebra I, Geometry, Adv. Algebra II or teacher recommendation, grade requirement, parent permission

The major emphasis will be the examination of polynomial, rational, trigonometric, exponential, and logarithmic functions. Limits and an introduction to calculus will be considered to give the student a solid preparation for calculus.

Advanced Placement (AP) Calculus, 1 credit advanced (state)

Grade level: 12

ID: A3100101

Abbreviation: APCALAB

Prerequisite: Advanced Pre-Calculus, parent permission

Students will study the concepts of limits, derivatives, integrals, work, maximum/minimum solids of revolution and functions. There is also a thorough review of logarithmic and trigonometric functions. The course will cover all topics required for the Advanced Placement Calculus exam for college credit. A complete course description, including specific course content, can be found at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

On Ramps Statistics, 1 credit advanced (state)

Grade level: 11-12

ID: 03102530

Abbreviation: STATS

Prerequisite: Algebra I, parent permission

Dual-enrollment data analysis course for students seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course targets conceptual understanding and hones highly-relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play and strategic lab exercises that engage students in hands-on analysis.

Statistics, 1 credit (state)

Grade level: 11-12

ID: 03102530

Abbreviation: STATS

Prerequisite: Algebra I

In this course, students will build on the knowledge and skills for mathematics in Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Independent Study in Mathematics (College Algebra), 1 credit dual/advanced (state)

Grade level: 12

ID: 03102500

Abbreviation: INSTUMTH

Prerequisite: Geometry, Algebra 2, acceptance in dual-credit program or ECHS program

This course is matched with College Math 1314 (College Algebra).

Dosage Calculation, 1 credit dual/advanced (state)

Grade level: 11-12

ID: LD11110A

Abbreviation: LDMATA

Prerequisite: acceptance in dual-credit program or ECHS program

This course helps the student use mathematical operations and knowledge of relationships to solve daily problems inherent to the health science industry such proper dosages of medications, conversions, the use of decimals, rounding, and fractions. Students should apply knowledge and skills related to mathematics including algebra and data analysis in the context of health science. To prepare for success, students are afforded opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

## SCIENCE

Integrated Physics and Chemistry (IPC), 1 credit (state)

Grade level: 9-10

ID: 03060201

Abbreviation: IPC

Prerequisite: none

This is a laboratory-oriented course about the nature of things that make up the universe. Topics include matter, atomic structure, basic chemistry, electricity, magnetism, motion, and light & sound waves.

Biology (EOC Tested Subject), 1 credit (state)

Grade level: 9-10

ID: 03010200

Abbreviation: BIO

Prerequisite: none

Laboratory oriented study of the structure, growth, and function of the life systems of selected organisms. Topics include biochemistry, cell theory, evolution, respiration, photosynthesis, botany, zoology, taxonomy, genetics, anatomy, physiology, and ecological sciences. Recommended during the 9th grade year for students pursuing STEM or Health Science endorsements.

Advanced Biology (EOC Tested Subject), 1 credit advanced (state)

Grade level: 9-10

ID: 03010200

Abbreviation: BIOADV

Prerequisite: grade requirement, parent permission

Biology Advanced is an accelerated class for those qualifying students who wish to do an in-depth study of living things. Topics include characteristics of living organisms, development of living organisms, biochemistry, anatomy and physiology of selected specimens, ecological concepts, basic principles of genetics, and taxonomy.

Chemistry, 1 credit (state)

Grade level: 10-12

ID: 03040000

Abbreviation: CHEM

Prerequisite: Algebra I

Laboratory oriented study of the composition, structure, and behavior of matter. Classification, nomenclature, measurement, behavior, and subatomic structure are addressed. The quantitative measurement, calculation of chemical quantities, and behavior in various types of reactions are emphasized. Introduction to nuclear and organic chemistry is included.

Advanced Chemistry, 1 credit advanced (state)

Grade level: 10-12

ID: 03040000

Abbreviation: CHEMADV

Prerequisite: Algebra I, Chemistry, grade requirement, parent permission

Advanced chemistry is a challenging, fast-paced course designed to go beyond regular chemistry and prepare the students for the college chemistry course. An emphasis will be placed on laboratory work and analysis of that work. In addition to the skills taught in regular chemistry, the advanced student will also study topics such as orbital hybridization, oxidation-reduction reactions, resonance, titrations, VSEPR structures, equilibria, and thermochemistry. It is recommended that students have concurrent enrollment in Algebra II or have a credit in Algebra II.

Advanced Placement (AP) Chemistry, 1 credit advanced (state)

Grade level: 11-12

ID: A3040000

Abbreviation: CHEMAP

Prerequisite: Algebra II, Chemistry, parent permission Recommended: Advanced Chemistry

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. A complete course description, including specific course content, may be found at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

Physics, 1 credit (state)

Grade level: 9-12

ID: 03050000

Abbreviation: PHYSICS

Prerequisite: Algebra I, Biology

This course studies matter and energy and the relationship between them. Topics include Newton's laws of motion, universal gravitation, thermodynamics, sound, light, electricity, and magnetism.

Advanced Physics, 1 credit advanced (state)

Grade level: 10-12

ID: 03050000

Abbreviation: PHYSICS

Prerequisite: Algebra I, Biology, parent permission, Recommended: Advanced Geometry

Advanced Physics is a challenging, fast-paced course designed to go beyond regular Physics and prepare the students for the college Physics course. This course will study matter and energy and the relationship between them. Topics include Newton's laws of motion, universal gravitation, thermodynamics, sound, light, electricity, and magnetism.

Scientific Research and Design I (College Physics), 1 credit dual/advanced (state)

Grade level: 11-12

ID: 13037200

Abbreviation: SCIRD

Prerequisite: Biology, Chemistry, Physics, Pre-Calculus, acceptance in dual-credit program or ECHS program

Concurrent Physics is a college physics course. The first semester (Physics 1401) covers the mechanics of solids and fluids, and the fundamentals of heat. The second semester (Physics 1402) covers electricity, magnetism, light

and modern physics. There will be 3 hours of lecture and 2 hours of lab each week. Algebra and basic trigonometry are used throughout the course. This course combination provides credit for scientific research and design.

#### Anatomy & Physiology, 1 credit (state)

Grade level: 10-12

ID: 13020600

Abbreviation: ANATPHYS

Prerequisite: Biology and a second science

This is a course designed to give students a thorough knowledge of the structure and function of the human body. The course is focuses on five principal areas: organization, support and movement, control systems, maintenance, and continuity. Homeostasis and pathology are considered in all areas. Laboratory work is an integral part of the course. This course will count as a Health Science credit toward the academies and endorsements. This class will count as dual credit if this class is taken at Angelina College (BIOL 2404 or (BIOL 2401 and BIOL 2402)).

#### Advanced Animal Science, 1 credit (state)

Grade level: 11-12

ID: 13000700

Abbreviation: ADVANSCI

Prerequisite: Biology, Chemistry or IPC, Algebra I, Geometry and one of: Equine Science, Livestock Production or Small Animal Management

Students enrolled in this course will be prepared for careers in the field of animal science. Students will attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. Students will have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Being a 4th year Advanced level class, students will be required to review basic biology and chemistry concepts over the summer to be prepared for extension and application of biology and chemistry in animal anatomy and physiology. This course counts as an Ag Science credit toward the academies and endorsements. (Please note: this course is not considered advanced for GPA purposes.)

#### Environmental Systems, 1 credit (state)

Grade level: 11-12

ID: 03020000

Abbreviation: ENVIRSYS

Prerequisite: Biology, and IPC or Chemistry

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

#### Medical Microbiology, 1 credit (state)

Grade level: 10-12

ID: 13020700

Abbreviation: MICRO

Prerequisite: Biology, Chemistry

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. This course will be offered every other year and will alternate with Pathophysiology. This CTE course will count as a Health Science credit toward academies and endorsements.

#### Pathophysiology, 1 credit (state)

Grade level: 11-12

ID: 13020800

Abbreviation: PATHO

Prerequisite: Biology, Chemistry

In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. This course will be offered every-other year, alternating with Medical Microbiology. This CTE course will count as a Health Science credit toward academies and endorsements.

Forensic Science, 1 credit (state)

Grade level: 11-12

ID: 13029500

Abbreviation: FORENSCI

Prerequisite: Biology and Chemistry

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

## SOCIAL STUDIES

World Geography, 1 credit (state)

Grade level: 9-12

ID: 03320100

Abbreviation: WGEO

Prerequisite: none

A general study of the interaction of people and their physical environments in the major areas of the world. Emphasis will be on the cultural forces that shape individuals. Students may choose to take this course as an academic elective.

Advanced World History, 1 credit advanced (state)

Grade level: 9

ID: 03340400

Abbreviation: WHIST

Prerequisite: grade requirement, parent permission

The Advanced World History and Geography curriculum focuses on the world's people, places, and environments. The knowledge, skills, and perspectives of the course are centered on the world's population and cultural characteristics, its countries, and regions, economic and political systems, migration, and settlement patterns. Spatial concepts of geography will be linked to chronological concepts of history to set a framework for studying human interactions. Writing skills in essays and short answer questions will be taught throughout the class as well. The basis for the curriculum is the AP World History key concepts.

World History, 1 credit (state)

Grade level: 10

ID: 03340400

Abbreviation: WHIST

Prerequisite: none

A general study of the development of early civilizations, western civilization, and other world regions from their early days to the present.

Advanced Placement (AP) World History, 1 credit advanced (state)

Grade level: 10

ID: A3370100

Abbreviation: APWHIST

Prerequisite: grade requirement, parent permission, Recommended: Advanced World History

This course will develop a greater understanding of the changing of global processes and contacts, in interaction with different types of human societies. It highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. It also emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. A complete course description, including specific course content, can be found at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

United States History since 1877 (EOC tested subject), 1 credit (state)

Grade level: 11

ID: 03340100

Abbreviation: USHIST

Prerequisite: none

A general study of the economic, political, social, cultural, and geographic events from 1877 to the present.

Advanced Placement (AP) US History, 1 credit advanced (state)

Grade level: 11

ID: A3370100

Abbreviation: APWHIST

Prerequisite: grade requirement, parent permission

In AP US History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. A complete course description, including specific course content, can be found at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

US History 1301 & 1302 (EOC tested subject), 1 credit dual/advanced (state)

Grade level: 11

ID: 03340100

Abbreviation: USHIST

Prerequisite: acceptance in dual-credit program or ECHS program

The development of American characteristics and nationality from the early European exploration through the Reconstruction Period (1877). The history of the US from Reconstruction to the present time. These courses may be taken in the place of US History to meet graduation requirements.

United States Government, ½ credit (state)

Grade level: 11-12

ID: 03330100

Abbreviation: USGOVT

Prerequisite: none

A study of the foundation of the United States' political system, the development of U.S. governmental system, and the structure and functions of the government.

United States Government 2305, ½ credit dual/advanced (state)

Grade level: 11-12

ID: 03330100

Abbreviation: USGOVT

Prerequisite: acceptance in dual-credit program

Origin and development of the U.S. constitution, structure and powers of national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

Special Topics in Social Studies (United States Government 2306, ½ credit dual/advanced (state)

Grade level: 11-12

ID: 03380002

Abbreviation: SPTSS

Prerequisite: USGOVT 2305, acceptance in dual-credit program or ECHS program

Origin and development of the U.S. constitution, structure and powers of national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

Psychology, ½ credit (state)

Grade level: 10-12

ID: 03350100

Abbreviation: PSYCH

Prerequisite: none

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology. Students planning to take Psychology 2301 through AC should not take this course as they cannot earn credit for both.



Psychology 2301, ½ credit dual/advanced (state)

Grade level: 11-12

ID: 03350100

Abbreviation: PSYCH

Prerequisite: acceptance in dual-credit program or ECHS program

A basic overview of the discipline known as psychology and a brief history of this field. Attention will be focused on such areas as interaction of heredity, environment, and maturation; personality and mental health; psychopathology; sexuality; and aging and death. This course can be taken as a state elective credit toward graduation requirements while also earning college credit.

Sociology, ½ credit (state)

Grade level: 10-12

ID: 03370100

Abbreviation: SOC

Prerequisite: none

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever-changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society. Students planning to take Sociology 1301 through AC should not take this course as they cannot gain credit for both.

Sociology 1301, ½ credit dual/advanced (state)

Grade level: 11-12

ID: 03370100

Abbreviation: SOC

Prerequisite: acceptance in dual-credit program or ECHS program

Analysis and discussion of the problematic nature of contemporary social issues. Area of analysis may include family violence, chemical dependency, deviant behavior, poverty and social inequality, environmental pollution, urban growth and development, and health/education issues. This course can be taken as a state elective credit toward graduation requirements while also earning college credit.

Personal Financial Literacy, 1/2 credit (state)

Grade level: 10-12

ID: 03380082

Abbreviation: PFL

Prerequisite: none

Personal Financial Literacy is designed to be an interactive and research-based course. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. There are many references to conducting a cost-benefit analysis for spending and investing decisions. Students evaluate the necessity of the purchase, the quality or value of the purchase or investment compared to other alternatives, and the total cost of acquisition, particularly in the context of financing options. Students also understand the power of both compound growth on investments and compound interest on debt and how these concepts affect the ability to build wealth over time. This one-half elective credit course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education. Students analyze the relationship between education and training and earnings potential; evaluate the quality of potential college, postsecondary education, and training courses; evaluate the total cost of these programs; and analyze the advantages and disadvantages of various sources of funds to pay for their education.

## ECONOMICS

Economics & Free Enterprise, 1/2 credit (state)

Grade level: 11-12

ID: 03310300

Abbreviation: ECO-FE

Prerequisite: none

This course will focus on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the



world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The content enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

## WORLD LANGUAGES & CULTURES

Spanish 1, 1 credit (state)

Grade level: 9-12

ID: 03440100

Abbreviation: SPAN 1

Prerequisite: none

An introduction to the study of the Spanish language and culture. This course stresses basic conversation, grammar, and vocabulary through memorization, listening comprehension, and reading comprehension as well as oral and written practice.

Spanish 2, 1 credit (state)

Grade level: 9-12

ID: 03440200

Abbreviation: SPAN 2

Prerequisite: Spanish 1

A study of Spanish language and culture. More emphasis on grammar, reading and writing with translation and independent research skills. Includes introduction to Hispanic art, music, history, geography, and drama.

Spanish 3, 1 credit (state)

Grade level: 10-12

ID: 03440300

Abbreviation: SPAN 3

Prerequisite: Spanish 2

A continuing study of the Spanish language and culture with an introduction to Spanish literature. Role-playing, composition, and translation skills are emphasized.

Advanced Placement (AP) Spanish Language, 1 credit advanced (state)

Grade level: 11-12

ID: A3440100

Abbreviation: APSPAN

Prerequisite: Spanish 3 or Spanish 2 with Spanish fluency

This course is an intensive study of language and grammar. Students develop and refine skills in reading, writing, and listening. In addition, the course emphasizes the basic skills and vocabulary needed to excel on the AP Spanish language exam. A complete course description, including specific course content, can be found at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

German 1, 1 credit (state)

Grade level: 9-12

ID: 03420100

Abbreviation: GERMAN 1

Prerequisite: counselor approval

Course is offered through Texas Virtual Schools Network (TxVSN) online.

German 2, 1 credit (state)

Grade level: 9-12

ID: 03420200

Abbreviation: GERMAN 2

Prerequisite: German 1

Course is offered through Texas Virtual Schools Network (TxVSN) online.

German 3, 1 credit (state)

Grade level: 9-12

ID: 03420300

Abbreviation: GERMAN 3

Prerequisite: German 2

Course is offered through Texas Virtual Schools Network (TxVSN) online.

French 1, 1 credit (state)

Grade level: 9-12

ID: 03410100

Abbreviation: FREN 1

Prerequisite: counselor approval

Course is offered through Texas Virtual Schools Network (TxVSN) online.

French 2, 1 credit (state)

Grade level: 9-12

ID: 03410200

Abbreviation: FREN 2

Prerequisite: French 1

Course is offered through Texas Virtual Schools Network (TxVSN) online.

Exploring Languages & Cultures, 1 credit (state)

Grade level: 9-12

ID: 0399700

Abbreviation: DISLANC

Prerequisite: selection only

In Exploring Languages and Cultures, students will engage in different types of language learning activities, compare and contrast aspects of other languages to English and the student's native language, and apply basic communication skills in the target language(s), including listening, speaking, reading, and writing.

## FINE ARTS

All courses listed in the Fine Arts section apply towards the Fine Arts requirement of all graduation plans.

Art 1, 1 credit (state)

Grade level: 9-12

ID: 03500100

Abbreviation: ART 1

Prerequisite: none

Investigation and use of the elements and principles of design to create original works of art. Students will examine objects and the work of artists of the past and present. Includes basics such as drawing and shading, design, color mixing, and figure drawing.

Art 2, 1 credit (state)

Grade level: 9-12

ID: 03500500

Abbreviation: ART2DRAW

Prerequisite: Art 1

An advanced art class where the students will work with the elements and principles of design to create original works of art. Included will also be a 47 more in-depth study in drawing, art history, painting, design and art criticism.

Art 3, 1 credit (state)

Grade level: 10-12

ID: 03501300

Abbreviation: ART3DRAW

Prerequisite: Art 2

Through more individualized instruction, greater independence, and an increased knowledge of media and techniques, students will continue to develop artwork that reflects a personal style and interpretation and build a portfolio. Further study of art criticism and aesthetics will continue to be part of the curriculum.

Art 4, 1 credit (state)

Grade level: 11-12

ID: 03502300

Abbreviation: ART4DRAW

Prerequisite: Art 3

Through more individualized instruction, greater independence, and an increased knowledge of media and techniques, students will continue to develop artwork that reflects a personal style and interpretation and build a portfolio. Further study of art criticism and aesthetics will continue to be part of the curriculum.

Band 1-4, 1 credit per year (state)

Grade level: 9-12

ID: 03150100/03150200/03150300/03150400

Prerequisite: none

Abbreviation: MUS1BAND/MUS2BAND/MUS3BAND/MUS4BAND

This course is a full year laboratory for students of instrumental music. It provides students with the opportunity to develop performance skills and to become acquainted with band literature. Attention is given to all details of performance including tone, quality, rhythm, technique, intonation, phrasing style, balance, and blend. The music prepared by the band ranges from marches to symphonic arrangements, including both traditional and modern selections. Students are encouraged to pursue UIL solo and small ensemble competition and TMEA All Region Band auditions. Uniforms required at student expense.

Jazz Band 1-4, 1 credit per year (state)

Grade level: 9-12

ID: 03151300/03151400/03151500/03151600

Prerequisite: concurrent enrollment in Band

Abbreviation: MUS1JZBN/MUS2JZBN/MUS3JZBN/MUS4JZBN

Jazz Band students study jazz at various levels with emphasis on improvisation, jazz history, and jazz theory.

Beginning Piano, 1 credit (state)

Grade level: 9-12

ID: 03152500

Abbreviation: MUS1APL

Prerequisite: none

Students will learn basic music theory, music terms and how to read music. These skills will be transferred to the piano keyboard as they practice and master each lesson at their own pace, with guidance from the teacher. Students will use a popular Level 1 Adult Piano Workbook. Space is limited due to the amount of keyboards available. Keyboard at home is not required.

Mixed Choir 1-4, 1 credit (state)

Grade level: 9-12

ID: 03150900/03151000/03151100/03151200

Prerequisite: none

Abbreviation: MUS1CHOR/MUS2CHOR/MUS3CHOR/MUS4CHOR

Choir for male and female students. Audition is not required. This choir performs a minimum of four concerts per year and participates in many other choir activities. U.I.L. Contest and Region Choir competition is recommended. Students will be required to rent designated, school-owned choir performance formalwear for the school year. The rental fee, which will pay for cleaning at the end of the year and any necessary minor repairs, is \$20.

Theatre Arts 1, 1 credit (state)

Grade level: 9-12

ID: 03250100

Abbreviation: TH1

Prerequisite: none

The base for all subsequent theatre courses and serves as a general introduction to all of the fundamental aspects of the theatre that range from creative use of technical production skills to the exploration of acting techniques. The course will focus on both the acting and technical aspects involved in the total theatre experience. This course is a prerequisite for all other theatre courses.

Theatre Production 1-3, 1 credit (state)

Grade level: 10-12

ID: 03250700/03250800/03250900

Prerequisite: Theatre Arts 1

Abbreviation: TH1PROD/TH2PROD/TH3PROD

The base for all subsequent theatre courses and serves as a general introduction to all of the fundamental aspects of the theatre that range from creative use of technical production skills to the exploration of acting techniques. The course will focus on both the acting and technical aspects involved in the total theatre experience. This course is a prerequisite for all other theatre courses.

College Art 1301 (Art History 3), 1 credit dual/advanced (state)

Grade level: 11-12

ID: 03510110

Abbreviation: ART1APP

Prerequisite: acceptance in dual-credit program or ECHS program

This course is offered as a dual-credit course. Students will receive one advanced credit listed as Art History 3 on the student's transcript.

College Music Appreciation 1306 (Music 1 History), 1 credit dual/advanced (state)  
Grade level: 11-12 ID: 03155600 Abbreviation: MUSSMA1  
Prerequisite: acceptance in dual-credit program or ECHS program  
Course is offered as a dual-credit course. Students will receive one advanced credit listed as Music 1 History on the student's transcript.

Advanced Placement Music Theory (AP), 1 credit advanced (state)  
Grade level: 10-12 ID: A3150200 Abbreviation: APMUSTHY  
Prerequisite: parent permission  
AP Music Theory corresponds to two semesters of a typical introductory college music theory course covering topics such as musicianship, theory, musical materials, and procedures. Students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Students understand basic concepts and terminology by listening to and performing a wide variety of music. A complete course description, including specific course content, can be found at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

## SPEECH

Communications Applications and dual credit speech are the **only** courses that will satisfy the state graduation speech requirement. Other speech related courses may be selected for elective credit.

Communication Applications (Speech), ½ credit (state)  
Grade level: 11 ID: 03241400 Abbreviation: COMMAPP  
Prerequisite: none  
This course includes informative-persuasive speaking, demonstration speeches, and commercials. Required for graduation. This course is satisfied upon successful completion of English 3, AP English 3 or Basic English 3 taken at Hudson High School.

Speech 1315, ½ credit dual/advanced (state)  
Grade level: 11 ID: 03241400 Abbreviation: COMMAPP  
Prerequisite: acceptance in dual-credit program or ECHS program  
This course includes research, composition, organization, analysis, and delivery of speeches for various purposes and occasions. This course can be taken in the place of communication applications (speech) to meet graduation requirements.

Professional Communications, ½ credit (state)  
Grade level: 9-12 ID: 13009900 Abbreviation: PROFCOMM  
Prerequisite: none  
Students will develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. Each student will make formal and informal presentations, and apply ethical business practices. Nonverbal communication skills include eye contact, handshake, and use of space and distance. Verbal communications include proper introductions, telephone etiquette, interviews, and appropriate conversations and constructive criticism as used in a business setting. This course may be substituted for Communication Applications.

## PHYSICAL EDUCATION

Foundations of Personal Fitness, ½-1 credit (state)

Grade level: 9-12

ID: PES00052

Abbreviation: PE1A

Prerequisite: none

This course is the textbook portion of physical education. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.

PE – Individual/Team Sports, ½-1 credit (state)

Grade level: 9-12

ID: PES00055

Abbreviation: PEITS

Prerequisite: none

This course provides students with an opportunity to develop physical abilities as well as mental, social, and emotional abilities. Activities include physical fitness such as aerobics, track and field, and weight training; lifelong sports such as golf and tennis, and dual sports such as ping-pong and badminton.

Athletics 1-4, ½-1 credit (state)

Grade level: 9-12

ID: PES00000/PES00001/PES00002/PES00003

Prerequisite: selection through tryout process    Abbreviation: SUBATH1/SUBATH2/SUBATH3/SUBATH4

Athletics is provided as an extra-curricular activity for both male and female students who possess such abilities. Mental and social growth are stressed along with an emphasis on emotional control, proper attitude, teamwork, and maintenance of eligibility through grades. Off-season programs are provided for the athletes when their sport is not in season to further enhance their effectiveness in competition. Hudson competes in UIL basketball, baseball/softball, cross-country, track, golf, soccer, swimming, and tennis for both males and females.

Cheerleading 1-4, ½-1 credit (state, years 2-4 for local credit only)

Grade level: 9-12

ID: PES00013/PES00001/PES00002/PES00003

Prerequisite: selection through tryout process    Abbreviation: SUBATH1/SUBATH2/SUBATH3/SUBATH4

Athletic course that provides the opportunity for dance, tumbling, and building skills. Cheerleaders perform at athletic events. This course will satisfy the requirement for physical education for a maximum of one state credit. Credit for subsequent years will be local credit only.

Drill Team (Highlights) 1-4, ½-1 credit (state, years 2-4 for local credit only)

Grade level: 9-12

ID: PES00014

Abbreviation: SUBDT

Prerequisite: selection through tryout process

Athletic course emphasizing the skills of dance, stretching, and kicking. Performances are required at athletic events. This course will satisfy the requirement for physical education for a maximum of one state credit. Credit for subsequent years will be local credit only.

Vocal Ensemble/Drill Team (Show Choir) 1-4, 1 credit (state, years 2-4 for local credit only)

Grade level: 9-12

ID: PES00014

Abbreviation: SUBDT

Prerequisite: selection through vocal and dance audition

An advanced ensemble whose members learn a minimum of two completely choreographed “pop” shows to perform in the community. Students are expected to attend after-school rehearsals. Uniforms are required at student expense. \*Course may count toward Choir credit. If used to meet requirements for physical education, a maximum of one credit will be given. Credit for subsequent years will be local credit only.

Archery, ½-1 credit (state)

Grade level: 9-12

ID: semester 1 - PES00055

Abbreviation: PEOA

Prerequisite: none

semester 2 - PES00053

Archery is a non-discriminating sport. It helps build muscle endurance and flexibility, develop hand-eye-coordination, and grip and body strength. In addition, safety strategies, skills and archery techniques necessary to participate in and enjoy archery as a lifetime activity will be fully addressed. This course is offered as a year-long

course. Students completing this course will receive ½ credit for Outdoor Adventure Education and ½ credit for PE ITS. Students can gain a maximum of 2 PE credits through the Archery course.

Color Guard, ½-1 credit (state, years 2-4 for local credit only)

Grade level: 9-12

ID: PES00054

Abbreviation: PEAA

Prerequisite: selection through tryout process

Students will learn the technical skills involved in expressive dance, flag, and rifle choreography. Various styles of dance will be taught and explored, in addition to traditional color guard training techniques. This course will prepare students for color guard performances with the marching band during the fall semester. This course may be taken one time for state credit. Subsequent years will be local credit only.

## AGRICULTURE, FOOD & NATURAL RESOURCES

Principles of Agriculture, Food & Natural Resources, 1 credit (state)

Grade level: 9-12

ID: 13000200

Abbreviation: PRINAFNR

Prerequisite: none

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, re-inforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

Ag Mechanics and Metal Technologies, 1 credit (state)

Grade level: 10-12

ID: 13002200

Abbreviation: AGMECHMT

Prerequisite: Recommended: Principles of Agriculture, Food and Natural Resources

Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Students must weld in several welding positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal working techniques.

Small Engine Technology, 1 credit (state)

Grade level: 10-12

ID: 13040000

Abbreviation: SMENTEC1

Prerequisite: none

Small Engine Technology I includes knowledge of the function and maintenance of the systems and components of all types of small engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. This course is designed to provide training for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems. In addition, the student will receive instruction in safety, academic, and leadership skills as well as career opportunities.

Agricultural Power Systems, 2 credits (state)

Grade level: 10-12

ID: 13002400

Abbreviation: AGPOWSYS

Prerequisite: Small Engine Technology; Recommended: Principles of Agriculture

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Welding 1, 1 credit (state)

Grade level: 11-12

ID: 13032300

Abbreviation: WELD1

Prerequisite: Agricultural Mechanics and Metal Technologies

Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and

transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Welding 2, 2 credits (state)

Grade level: 11-12

ID: 13032400

Abbreviation: WELD2

Prerequisite: Welding 1

Builds on the knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. (This course may be taken two times while in high school. The second course will be coded as 'Practicum in Agriculture'.)

Equine Science, ½ credit (state)

Grade level: 10-12

ID: 13000500

Abbreviation: EQUINSCI

Prerequisite: none

This course is designed to prepare students for careers in the field of animal science. Suggested animals which may be included in the course of study include, but are not limited to horses, donkeys, and mules. This class will be paired with Small Animal Management and is offered every other year.

Small Animal Management, ½ credit (state)

Grade level: 10-12

ID: 13000400

Abbreviation: SMANIMGT

Prerequisite: none

This course focuses on working in small animal industry, animal rights and welfare, career opportunity in small animal care. This course is recommended for those that have an interest in the Veterinary Science field. This course is paired with Equine Science and is offered every other year.

Livestock Production, 1 credit (state)

Grade level: 10-12

ID: 13000300

Abbreviation: LIVEPROD

Prerequisite: none

This course is designed to prepare students for careers in the field of animal science. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. This course is offered every other year.

Wildlife Fisheries & Ecology Management, 1 credit (state)

Grade level: 10-12

ID: 13001500

Abbreviation: WFECGT

Prerequisite: none

This course examines the management of game and non-game wildlife species, fish, and aquacrops, and their ecological needs as related to current agricultural practices.

Greenhouse Operation and Production, 1 credit (state)

Grade level: 10-12

ID: 13002050

Abbreviation: GREOP

Prerequisite: none

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. The student will be expected to examine licensing, certification, and legal requirements to maintain compliance with industry requirements, classify greenhouse plants according to taxonomy systems, develop knowledge of plant anatomical structures and functions for plant identification, and develop plant classifications based on cropping schedules and market demand for greenhouse crops.

Horticulture Science, 1 credit (state)

Grade level: 10-12

ID: 13002000

Abbreviation: HORTISCI

Prerequisite: none

This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Students will acquire knowledge regarding career opportunities, entry requirements, and industry expectations.

Agricultural Structures, Design and Fabrication, 1 credit (state)

Grade level: 10-12

ID: 13002300

Abbreviation: AGEQDF

Prerequisite: none

Students will gain knowledge and skills related to various careers in the construction trade. Student acquire knowledge in areas such as; safety, measuring, laying-out, hand tools/power tools, and assembling. Students will participate in hands-on lab activities, such as blueprint reading, framing, roofing, etc.

## HEALTH SCIENCE

Principles of Health Science, 1 credit (state)

Grade level: 9-12

ID: 13020200

Abbreviation: PRINHLSC

Prerequisite: none

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. The general curriculum for health education will also be covered.

Medical Terminology, 1 credit (state)

Grade level: 9-12

ID: 13020300

Abbreviation: MEDTERM

Prerequisite: none

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. This course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory, 1 credit (state)

Grade level: 10-12

ID: 13020400

Abbreviation: HLTHSCI

Prerequisite: Principles of Health Science, Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

Health Science Clinical/Theory, 2 credits (state)

Grade level: 10-12

ID: 13020410

Abbreviation: HLSCLIN

Prerequisite: Principles of Health Science, Biology

This Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.



Practicum in Health Science (Certified Nursing Assistant), 1 credit (state)  
Grade level: 11-12 ID: 13020500 Abbreviation: PRACHLS1  
Prerequisite: Principles of Health Science, Biology, Health Science Theory  
The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course is taught in a two-period block, over one semester. It is paired with Practicum in Health Science (Phlebotomy).

Practicum in Health Science (Phlebotomy), 1 credit (state)  
Grade level: 11-12 ID: 13020500 Abbreviation: PRACHLS1  
Prerequisite: Principles of Health Science, Health Science Theory, Biology  
The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course is taught in a two-period block, over one semester. It is paired with Practicum in Health Science (CNA).

Practicum in Health Science (Certified Medical Assistant), 2 credits (state)  
Grade level: 11-12 ID: 13020510 Abbreviation: PRACHLS2  
Prerequisite: Principles of Health Science, Health Science Theory, Biology  
The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course is taught in a two-period block.

LVN Program (Practicum in Health Science II), 3 credits (state)  
Grade level: 11-12 ID: 13020515 Abbreviation: EXPRHLS2  
Prerequisite: Principles of Health Science, Health Science Theory, Biology, teacher/principal recommendation.  
Recommended: Practicum in Health Science (CNA), Practicum in Health Science (Phlebotomy).  
Grades, attendance, tardies, discipline, and student work ethic will be used for determining acceptance for candidates who apply for the program. All high school graduation requirements, with the exception of three hours of elective credit and BIOL 2401/2402, must be completed prior to the student's senior year of school. The vocational nursing program prepares the graduate to independently perform basic nursing skills in non-complex situations and to assist the registered nurse or physician in complicated circumstances. Courses begin in the Fall Semester and conclude at the end of the Summer Semester for a total of 45 semester credit hours. A certificate of completion is awarded upon successful fulfillment of course requirements. The vocational nursing program is approved by the Board of Nursing for the State of Texas. Graduates are eligible to apply for licensure by examination through the Board of Nursing.

## FAMILY AND CONSUMER SCIENCES

Principles of Hospitality and Tourism, 1 credit (state)  
Grade level: 9-12 ID: 13022200 Abbreviation: PRINHOSP  
Prerequisite: none  
The hospitality and tourism industry encompasses lodging, travel and tourism, recreation, amusements, attractions, and resorts; and restaurants and food beverage service. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.

Introduction to Culinary Arts, 1 credit (state)  
Grade level: 9-12 ID: 13022550 Abbreviation: INCULART  
Prerequisite: none  
Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills,

various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

#### Culinary Arts, 1 credit (state)

Grade level: 10-12

ID: 13022600

Abbreviation: CULARTS

Prerequisite: Introduction to Culinary Arts or Principles of Hospitality

This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared for campus-based restaurant.

#### Advanced Culinary Arts, 2 credits (state)

Grade level: 11-12

ID: 13022650

Abbreviation: CULARTS

Prerequisite: Culinary Arts

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

#### Practicum in Culinary Arts, 2 credits (state)

Grade level: 11-12

ID: 13022700

Abbreviation: PRACCUL1

Prerequisite: Advanced Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Students are taught employability skills to prepare for college and career success, which include job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development.

#### Food Science, 1 credit (state)

Grade level: 12

ID: 13023000

Abbreviation: FOODSCI

Prerequisite: Biology, Chemistry, and a third science

This laboratory based course is a study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course gives one credit toward the Human Services and Hospitality and Tourism academies and endorsements. This course qualifies for a CTE credit and is also a science credit.

#### Principles of Education and Training, 1 credit (state)

Grade level: 9-12

ID: 13014200

Abbreviation: PRINEDTR

Prerequisite: none

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster.

#### Instructional Practices, 2 credits (state)

Grade level: 10-12

ID: 13014400

Abbreviation: INPRAC

Prerequisite: Principles of Education and Training

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood,

and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education, 2 credits (state)

Grade level: 11-12

ID: 13014500

Abbreviation: PRACEDT1

Prerequisite: Principles of Education and Training, Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Child Development, 1 credit (state)

Grade level: 10-12

ID: 13024700

Abbreviation: CHILDDDEV

Prerequisite: none

This course addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students will become equipped with child development knowledge that can be used to promote the well-being and healthy development of children and to investigate careers related to the care and education of children.

Cosmetology 1, 2 credits (state)

Grade level: 11-12

ID: 13025200

Abbreviation: COSMET1

Prerequisite: committee approval

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. This course is taught with a one credit lab.

Cosmetology 2, 2 credits (state)

Grade level: 12

ID: 13025300

Abbreviation: COSMET2

Prerequisite: Cosmetology 1

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. This course is taught with a one credit lab.

## BUSINESS, ENGINEERING, AND TECHNOLOGY

Principles of Business, Marketing, and Finance, 1 credit (state)

Grade level: 9-12

ID: 13011200

Abbreviation: PRINBMF

Prerequisite: none

Students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Money Matters, 1 credit (state)

Grade level: 9-12

ID: 13016200

Abbreviation: MONEYM

Prerequisite: Recommended: Business, Marketing, and Finance, Business Information Management or Principles of Information Technology

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Accounting 2301, 1 dual credit (state)

Grade level: 11-12

ID: 13016600

Abbreviation: ACCOUNT1

Prerequisite: acceptance in dual-credit program, grade requirement, parent permission; Recommended: Business, Marketing, and Finance

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities and owner's equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).

Accounting 2302, 1 credit dual (state)

Grade level: 11-12

ID: 13016700

Abbreviation: ACCOUNT2

Prerequisite: Accounting 2301, acceptance in dual-credit program or ECHS program

A continuation of ACCT 2301. This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Business Information Management, 1 credit (state)

Grade level: 9-12

ID: 13011400

Abbreviation: BUSIM1

Prerequisite: none

Students will learn word processing technology including business letters, reports, newsletters, and tables. Applications for spreadsheets will include formulas, percentages, decimals, charts and graphs. Applications for databases will include sorting and organizing data, search and queries, and data retrieval. An introduction to desktop publishing will include creating templates, using drawing tools and fills, importing and working with

graphics, column layouts, and drop caps. Students will also create and deliver multimedia presentations and create a Web page containing links, graphics, and text.

Business Information Management 2, 1 credit (state)

Grade level: 11-12

ID: 13011500

Abbreviation: BUSIM2

Prerequisite: Business Information Management 1

This course is designed to allow students to obtain Microsoft Office Specialist certification in Word, Excel, PowerPoint, and Access. The course is divided into four parts in order to learn all features of each application. At the end of each unit, the students travel to a certified testing center to take each test. The object of the course is to become Master Certified in Microsoft Office. Interested students must complete an application in the spring of the year for acceptance into next year's program.

Human Resources Management, ½ credit (state)

Grade level: 11-12

ID: 13011900

Abbreviation: HRMGT

Prerequisite: none

Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.. This is a one-semester course and is paired with Virtual Business.

Virtual Business, ½ credit (state)

Grade level: 11-12

ID: 13012000

Abbreviation: VIRTBUS

Prerequisite: none

Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.. This is a one-semester course and is paired with Human Resources Management.

Career Preparation, 2-3 credits (state)

Grade level: 11-12

ID: 12701300

Abbreviation: CAREERP1

Prerequisite: none

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Principles of Arts, Audio/Video Technology, and Communications, 1 credit (state)

Grade level: 9-12

ID: 13008200

Abbreviation: PRINAAVTC

Prerequisite: none

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop and understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Audio/Video Production 1, 1 credit (state)

Grade level: 10-12

ID: 13008500

Abbreviation: AVPROD1

Prerequisite: Principles of Audio/Video Technology

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an

understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Audio/Video Production 2, 2 credits (state)

Grade level: 11-12

ID: 13008600

Abbreviation: AVPROD2

Prerequisite: Audio/Video Production 1

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

Practicum in Audio/Video Production, 2 credits (state)

Grade level: 12

ID: 13008700

Abbreviation: PRACAVPI

Prerequisite: Audio/Video Production 2 and lab

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its co-requisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities..

Animation, 1 credit (state)

Grade level: 10-12

ID: 13008300

Abbreviation: ANIMAT1

Prerequisite: Recommended: Principles of A/V Technology, Art 1, Digital Interactive Media

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations..

Animation 2, 1 credit (state)

Grade level: 11-12

ID: 13008400

Abbreviation: ANIMAT2

Prerequisite: Animation 1

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

Yearbook: Graphic Design and Illustration, 1 credit (state)

Grade level: 11-12

ID: 13008800

Abbreviation: GRAPHDI1

Prerequisite: committee approval Recommended: Principles of Audio/Video

This course teaches and applies the journalistic writing, editing, and graphic skills necessary to produce the yearbook. Students develop skills in news judgment, fact gathering, journalistic writing, headline writing, photojournalism, caption writing, graphic design and layout, proofing, editing, and advertising skills. Application available from instructor. This course may be taken once for state credit. Subsequent years are local credit only.

Commercial Photography 1, 1 credit (state)

Grade level: 9-12

ID: 13009100

Abbreviation: CPHOTO1

Prerequisite: none

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Computer Programming 1, 1 credit (state)

Grade level: 10-12

ID: 13027600

Abbreviation: COMPRO1

Prerequisite: PIT or BIM

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.

Computer Programming 2, 1 credit (state)

Grade level: 11-12

ID: 13027600

Abbreviation: COMPRO1

Prerequisite: Programming 1

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.

Digital Media, 1 credit (state)

Grade level: 9-12

ID: 13027800

Abbreviation: DIMEDIA

Prerequisite: none

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

Robotics 1, 1 credit (state)

Grade level: 9-10

ID: 13037000

Abbreviation: ROBOTIC1

Prerequisite: none

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Course will qualify as a CTE credit.

Robotics 2, 1 credit (state)

Grade level: 10-12

ID: 13037050

Abbreviation: ROBOTIC2

Prerequisite: Robotics 1

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

Principles of Law, Public Safety, Corrections, & Security, 1credit (state)

Grade level: 9-12

ID: 13029200

Abbreviation: PRLAW

Prerequisite: none

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections. Course qualifies as a CTE credit.

## LOCALLY DEVELOPED COURSES

Student Aid, 1 credit (state)

Grade level: 11-12

ID: 85000A1X

Abbreviation: STAS1

Prerequisite: none

Algebra Lab, 1 credit (local)

Grade level: 9

ID: 84100MTC

Abbreviation: MTHLAB

Prerequisite: none